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Rosemblat, S.: *see* Hu, D.–N. et al, 931
Rosenbaum, J. T., Planck, S. R., Huang, X.–N., Rich, L., Ansel, J. C.: Detection of mRNA for the Cytokines, Interleukin-1α and Interleukin-8, in Corneas From Patients With Pseudophakic Bullous Keratopathy, 2151
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Sunness, J. S., Schuchard, R. A., Shen, N., Rubin, G. S., Dagnelie, G., Haselwood, D.: Landmark-Driven Fundus Perimetry Using the Scanning Laser Ophthalmoscope, 1863
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Tamura, H., Jidoi, J., Naora, H., Matsui, H., Katsuki, M., Tanaka, O.: Opaque Eyes Developed in Transgenic Mice With T-Cell Receptor δ Gene, 467
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Timmers, A. M., Wintjes, E. T., Hauswirth, W. W.: Fetal Topography of Bovine Rhodopsin mRNA Suggests Retinotopographically Determined Gene Expression, 2008
Tisdale, A. S.: *see* Inatomi, T. et al, 1818
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Toda, N., Kitamura, Y., Okamura, T.: Functional Role of Nerve-Derived Nitric Oxide in Isolated Dog Ophthalmic Arteries, 563
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Townes–Anderson, E.: Intersegmental Fusion in Vertebrate Rod Photoreceptors: Rod Cell Structure Revisited, 1918
Trousdale, M. D., Nóbrega, R., Wood, R. L., Stevenson, D., dos Santos, P. M., Klein, D., McDonnell, P. J.: Studies of Adenovirus-Induced Eye Disease in the Rabbit Model, 2740
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Wei, Z.–G., Cotsarelis, G., Sun, T.–T., Lavker, R. M.: Label-Retaining Cells Are Preferentially Located in Fornical Epithelium: Implications on Conjunctival Epithelial Homeostasis, 236
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Weiler, R.: *see* Kohler, K. et al, 1046
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Whittum–Hudson, J. A., O'Brien, T. P., Prendergast, R. A.: Murine Model of Ocular Infection by a Human Biovar of *Chlamydia trachomatis*, 1976
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Yoshimura, N., Matsumoto, M., Shimizu, H., Mandai, M., Hata, Y., Ishibashi, T.: Photocoagulated Human Retinal Pigment Epithelial Cells Produce an Inhibitor of Vascular Endothelial Cell Proliferation, 1686
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Yu, D.–Y.: *see* Morgan, W. H. et al, 1163
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